

# WINMANIRAJA B

## AWS Certified Cloud & DevOps Engineer

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## EXECUTIVE SUMMARY

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AWS Certified Cloud Practitioner and aspiring Cloud & DevOps Engineer with hands-on experience in AWS services, CI/CD pipelines, Docker, Kubernetes, and Infrastructure as Code (Terraform, CloudFormation). Strong foundation in cloud architecture, automation, and deployment strategies through academic projects and hands-on training. Passionate about building scalable, secure, and efficient cloud solutions.

## CERTIFICATIONS & TRAINING

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### AWS Certified Cloud Practitioner (CLF-C02)

Issued by Amazon Web Services | 2026

### AWS DevOps Training – FITA Academy, Coimbatore | May – Oct 2025

- Hands-on experience with AWS service (EC2, S3, IAM, RDS, EKS)
- Deployed containerized application using Docker & Kubernetes. Built CI/CD pipeline using Jenkins.

## TECHNICAL SKILLS

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**Cloud Platforms:** AWS (EC2, S3, IAM, Lambda, VPC, Route 53, RDS, EKS, CloudFront, CloudWatch, SNS, SES)

**DevOps & Automation:** Jenkins, Git, GitHub, Ansible, Terraform, CI/CD Automation, AWS CodeBuild, AWS CodePipeline

**Containerization & Orchestration:** Docker, Kubernetes (EKS)

**Infrastructure as Code (IaC):** Terraform, AWS CloudFormation

**Databases:** MySQL, DynamoDB

**Operating Systems:** Linux (Ubuntu, Amazon Linux), Windows Server

## INTERNSHIP

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### Full Stack Python Intern – Brainery Spot Technology, Coimbatore | June 2024

- Completed a full stack Python development Internship, gaining experience in frontend, backend, and database integration.
- Worked with machine learning algorithms (XGBoost) to enhance model accuracy and predictive performance. Strengthened in data handling and model implementation to real-world development.

## PROJECTS

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### Three-Tier Travel Website on AWS

- Designed and deployed highly available three-tier architecture using EC2, RDS, and VPC
- Configured IAM and Security Groups for access control and system protection
- Implemented Elastic Load Balancer (ELB) and Auto Scaling to ensure high availability and fault tolerance
- Integrated AWS SES for automated email confirmations to improve user experience.

🔗 GitHub: <https://github.com/winu-git/3-tier-travel-website.git>

### AI Chatbot with Disaster Recovery on AWS

- Built an AI-powered chatbot application with a disaster recovery architecture to ensure data reliability and business continuity
- Deployed VPC, EC2, and RDS across multiple AWS regions for high availability and resilience
- Configured CloudWatch for monitoring, S3 for backup storage and Route 53 for failover routing
- Achieved minimal downtime and rapid recovery automated failover and backup strategies.

🔗 GitHub: <https://github.com/winu-git/WinuAI-Bot.git>

## ACADEMIC QUALIFICATIONS

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### Bachelor of Science (B.Sc.) in Information Technology

Dr. N.G.P. Arts and Science College, Coimbatore | 2022-2025

CGPA: 6.5

### Higher Secondary Certificate (HSC)

Hindusthan Matriculation Higher Secondary School, Coimbatore | 2021-2022

CGPA: 8.9

### Secondary School Leaving Certificate (SSLC)

SMT D. Padmavathi Ammal High School, Coimbatore | 2019-2020

CGPA: 7.1

## JOURNAL PUBLICATIONS

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### “IoT – Based Air Pollution Monitoring and Forecasting System”

International Journal of Innovation Technology and Creative Engineering (IJITCE),

Vol. 27, No.09, pp. 1206 –1210, May 2024.

ISSN: 2045 – 8711.

### “Rainfall Prediction System Using Machine Learning Algorithm”

International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering (IJIREEICE),

Vol. 13, issue 3, March 2025.

IJIREEICE.2025.13343.